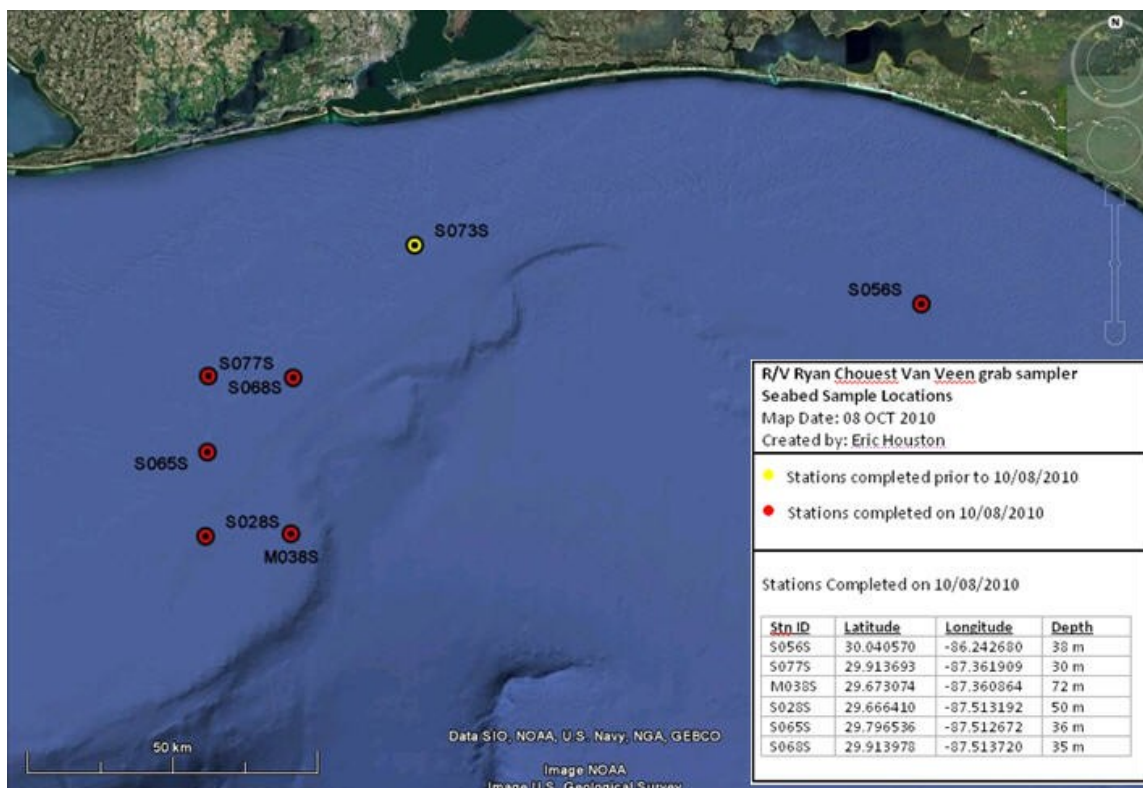


<i>Seabed Grab Sampling Operations</i>	
Vessel	R/V Ryan Chouest
Summary Report Number	02
Operating equipment	Van Veen grab (0.1 square m)
Date	08 October 2010
Completed casts (12 hr)	06
Report complied by	Eric Houston

#### Seabed sampling locations



Grab samples were processed and stored in accordance with SOPRC01. Where grab volume was sufficient samples of sediment were taken, prepared and stored (frozen -20°C) for hydrocarbon, trace metal, BTEX, grain size, total inorganic carbon (TIC) total organic carbon (TOC) and Microtox™ toxicology analysis onshore.

Core samples were taken from the grab sediments where sample depth allowed using core sections OD 110mm to a depth 0-3cm.

**Station S056S****Lat: 30.040570****Long: -86.242680**Sediment

Recovery:

3 grab attempts

Partial grab sample but not enough to fulfill sampling requirements.

*Visible contamination:* None*Olfactible contamination:* None*Description:*

Description of sediment (partial recovery of sediment from grab #2):

Dark grey fine sand with shell fragments;  
Maunsell notation: 2.5Y 4/1 Dark Grey.*Remarks:* Failure of grab and partial sediment recovery indicate likelihood of firm sand bottom at Station S073S**Station S077S****Lat: 29.913693****Long: -87.361909**Sediment

Recovery: One grab was made, and yielded enough sediment for all target

analyses.

*Visible contamination:* None

*Olfactible contamination:* None

*Description:* Coarse sand; Munsell notation: GLEY1 4/1 (5GY) Dark greenish grey color.

*Remarks:* None

*Biota:* None visible.



## Station M038S

Lat: 29.673074

Long: -87.360864

### Sediment

*Recovery:* 3 grab attempts. Samples taken from grab #3.

*Visible contamination:* None

*Olfactible contamination:* None

*Description:* Coarse sand with shell fragments; Munsell notation: 5YR, 3/2 Dark reddish brown.

*Remarks:* None

*Biota:* None visible.







### Station S028S

Lat: 29.666410

Long: -87.513192

#### Sediment

*Recovery:* 2 grab attempts. Samples taken from grab #2.

*Visible contamination:* None

*Olfactible contamination:* None

*Description:* Coarse sand; Munsell notation: GLEY1 2.5/1 (5GY) Greenish black

*Remarks:* None

*Biota:* Crustacea (Shrimp, hermit crabs).





### Station S065S

Lat: 29.796536

Long: -87.512672

#### Sediment

*Recovery:* Total 6 grab attempts. 2 grab misfires. Samples taken from grab #6.

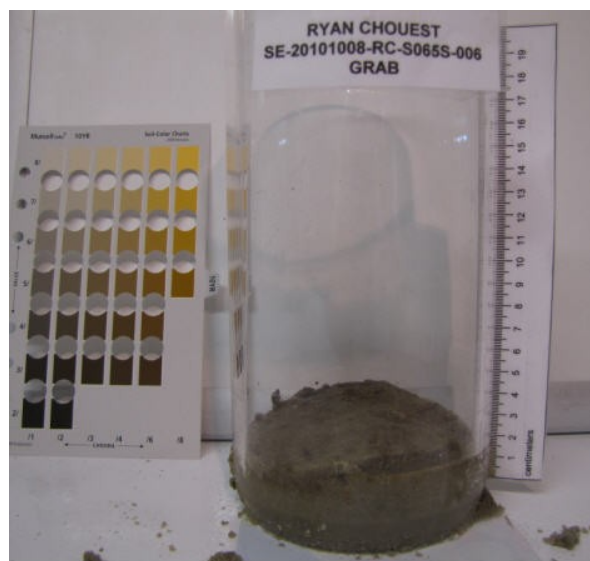
*Visible contamination:* None

*Olfactible contamination:* None

*Description:* Coarse sand; Munsell notation: 10YR, 4/2 Dark grayish brown.

*Remarks:* None

*Biota:* Crabs, seastars, squid, polychaetes



## Station S068S

Lat: 29.913978

Long: -87.513720

### Sediment

*Recovery:* Total 7 grab attempts. 5 grab misfires. Samples taken from grab #7.

*Visible contamination:* None

*Olfactible contamination:* None

*Description:* Coarse sand; Munsell notation: 2.5Y, 3/3 Dark olive brown.

*Remarks:* Multiple grab misfires. Hole for pin trigger mechanism rebored.

*Biota:* Amphipods, worms, shrimp and 1 small fish.

